

Date: Sat, 26 Feb 94 04:30:46 PST
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #40
To: Ham-Space

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Today's Topics:

RDSS and CDMA Whereabouts of Instant Track "B" Patch

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Problems you can't solve otherwise to brian@ucsd.edu.

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We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 25 Feb 1994 14:41:11 GMT
From: solaris.cc.vt.edu!sycamore!bergst@uunet.uu.net
Subject: RDSS and CDMA
To: ham-space@ucsd.edu

As part of a course I'm taking, we are studying a dedicated RDSS satellite system which provides RDSS services and two-way messaging. Being a controls student, some of the satellite communications issues are unfamiliar to me. Would you please answer the following questions?

The original system proposed to have 3 satellites each with 8 beam antennas to cover the continental US (CONUS?). The transmission method is to be CDMA. Now, the system is to use 4 single beam satellites to replace two of the 8 beam satellites.

It has been said that this configuration will reduce the number of RDSS systems which can occupy the allocated bandwidth. Why? (a 70% reduction according my information)

The smaller satellites will have have smaller operating powers. This is said to reduce the number of simultaneous users of the CDMA system. Again...why?

Thank you in advance for any help you provide,

Robert Bergstrom

P.S. The course is on financing and operation technology companies. Unfortunately, being a non-engineering course, the technical arguments are a bit sketchy, and I'm out of my element.

Date: 25 Feb 1994 16:37:00 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
usenet.ins.cwru.edu!cleveland.Freenet.Edu!dg651@network.ucsd.edu
Subject: Whereabouts of Instant Track "B" Patch
To: ham-space@ucsd.edu

The following paragraph discussing the "B" patch for the InstantTrac program was found at the archive.afit.af.mil site. The patch is not in the pub/space directory but is available via the Celestial BBS (TS Kelso, SYSOP).

```
>[1] ITPATCH2.ZIP      9111  5-May-1992  01:53
>      Patch #2 to InstantTrack 1.00.  This program updates InstantTrac
>      or 1.00a to version 1.00b.  This patch is mandatory for anybody
>      installed Patch #1, because it corrects a slightly dangerous bug
>      Patch #1.  Like Patch #1, this patch solves the problem of different
>      NASA Keplerian elements file formats by permitting either format
>      read in by InstantTrack.
```

Is there an ftp site with InstantTrac 1.00b version/patch?

Thanks for any leads.

End of Ham-Space Digest V94 #40
